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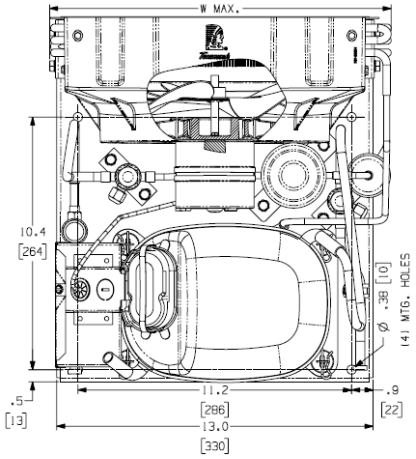
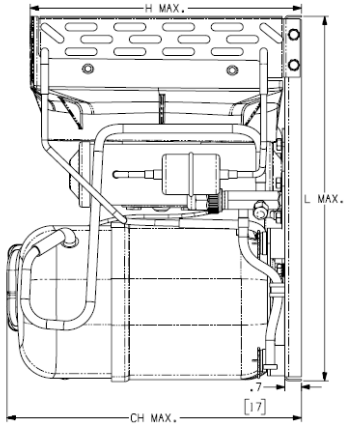
Celseon® Air Cooled Condensing Unit

Model: AJA2427AAAD*
BoM: 2G203- R-12 3/4 HP**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJA2427AAADA	15.0	14.0	11.1	11.7	3/8" S	1/4" S	N/A	185	22	62
AJA2427AAADG					3/8" S	3/8" S	2.8 lbs			64
AJA2427AAADH					3/8" S	3/8" S	N/A			62
AJA2427AAADK					3/8" S	1/4" S				62
AJA2427AAADC					3/8" S	3/8" S	2.8 lbs			64
AJA2427AAADS					3/8" S	3/8" S	N/A			62
AJA2427AAADJ					3/8" S	3/8" S	2.8 lbs			64
AJA2427AAADP					3/8" S	3/8" S	2.8 lbs			64

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures								
Evaporator T,		90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-40	*11.0"	1175	490	100	1000	465	107	825	440	113
-30	*5.5"	1625	550	103	1500	540	110	1340	530	118
-20	0.6	2160	620	108	2000	620	115	1890	620	122
-10	4.5	2780	700	112	2600	710	119	2425	720	125
0	9.2	3400	790	117	3230	805	123	3050	820	130
10	14.6	4160	900	122	3925	915	129	3725	930	134

60 Hz Performance

Return gas temp. 40°F, 5°F sub cooling
Note: * = Inches of Mercury below 1 Atmosphere

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Specifications/ Parts:

Unit Model	**AJA2427AAADA**
Unit Bill of Material	**2G203-09**
Refrigeration Range	-40° F to +10° F
Design Pressure Low	150
Design Pressure High	235
Nominal Volts-Hz-Ph	115-60-1
Voltage Range	103 to 127
Min. Circuit Ampacity	10.3
Max. Fuse Size (amps)	15
Compressor Model	AJA2425AXA
Comp. Bill of Material	AJ601AT-434-P2
Compressor RLA/LRA	7.9/57
Overload	External
Relay	820ARR3B87
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	85PS165C27
Start Capacitor Rating	270-324 MFD 165V
Fan Motor	810-10001
Fan Motor RLA	.38
Fan Blade	515-10002
Fan Shroud/Guard Combo	707-00004
Condenser	506-10004
Unit Drawing	DGU1971-03
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-15
Replacement kit: O/L	K90-32

Unit Model	**AJA2427AAADG**
Unit Bill of Material	**2G203-19**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2427AAADH**
Unit Bill of Material	**2G203-29**
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2427AAADK**
Unit Bill of Material	**2G203-39**
Power Cord	85106-14
Unit Model	**AJA2427AAADC**
Unit Bill of Material	**2G203-59**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2427AAADS**
Unit Bill of Material	**2G203-69**
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2427AAADJ**
Unit Bill of Material	**2G203-79**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Filter Drier	71116
Sight Glass	70084
Unit Model	**AJA2427AAADP**
Unit Bill of Material	**2G203-89**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Filter Drier	71116
Sight Glass	70084

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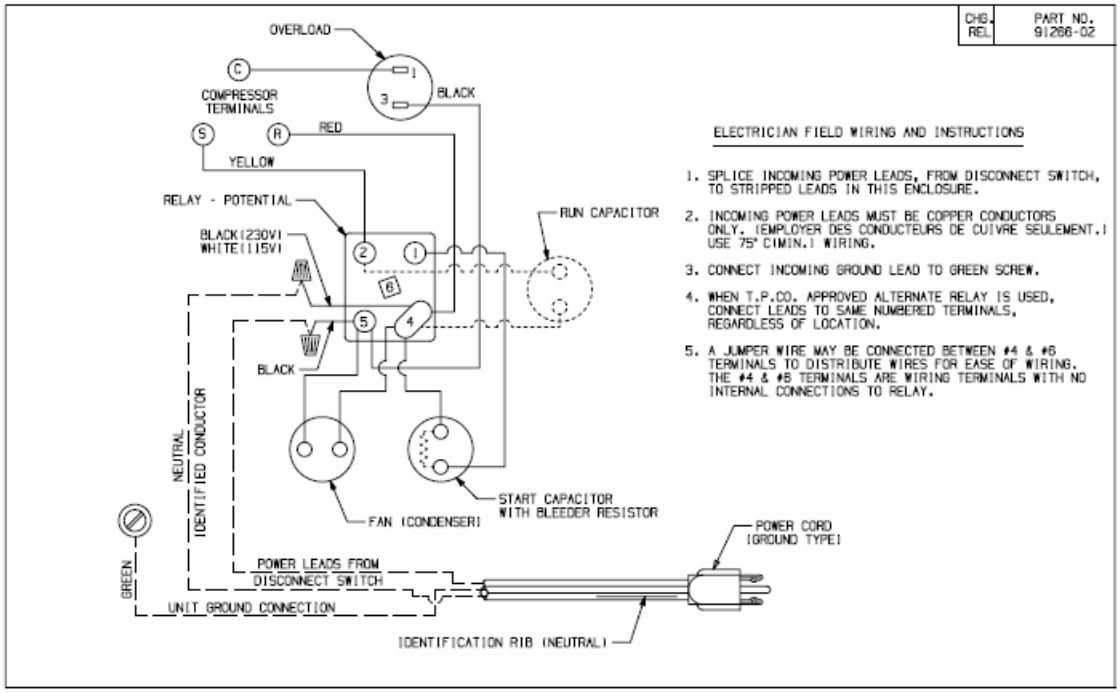
CHG. REL.
PART NO. 91266-02
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
RELAY - POTENTIAL
BLACK(230V) WHITE(115V)
RUN CAPACITOR
BLACK
NEUTRAL
IDENTIFIED CONDUCTOR
FAN (CONDENSER)
START CAPACITOR WITH BLEEDER RESISTOR
POWER CORD (GROUND TYPE)
GREEN
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
IDENTIFICATION RIB (NEUTRAL)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75° C(MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.